Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/19/2021 11:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125413	0	2.59	125572	2.60
Blue	F	SSC	125000	123590	-2	3.74	124628	3.71
Blue	E	FITC	14203	13793	-3	2.97	299	15.10
Blue	D	PE	25703	25556	-1	2.65	554	10.38
Blue	B	PerCP-Cy5-5	42104	41663	-2	3.41	931	14.34
Blue	A	PE-Cy7	34646	34169	-2	4.74	489	28.14
Red	C	APC	49824	49742	-1	3.04	1525	11.40
Red	A	APC-Cy7	39773	38897	-3	3.07	727	12.07
Violet	B	V450	7447	7178	-4	3.92	402	12.56
Violet	A	V500	31193	30189	-4	3.75	683	9.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21920	3.14	544	-12	N/A	N/A	Pass
Blue	F	SSC	54330	3.27	510	-2	N/A	N/A	Pass
Blue	E	FITC	55	51.89	482	-4	0.0412	66	Pass
Blue	D	PE	109	37.53	484	-1	0.4101	277	Pass
Blue	B	PerCP-Cy5-5	177	34.75	576	-1	0.0201	31	Pass
Blue	A	PE-Cy7	113	61.47	619	-1	0.0241	4	Pass
Red	C	APC	353	23.88	568	1	0.0279	90	Pass
Red	A	APC-Cy7	201	24.42	544	0	0.0057	231	Pass
Violet	B	V450	88	39.10	451	2	0.0425	1080	Pass
Violet	A	V500	120	27.50	469	2	0.0261	475	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.26	-32.06	0.97
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	20.84	15.99 - 23.99	N/A	N/A	30.47	30.67	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11382

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments